

**OR650 23dBi
Antenna design proposal**

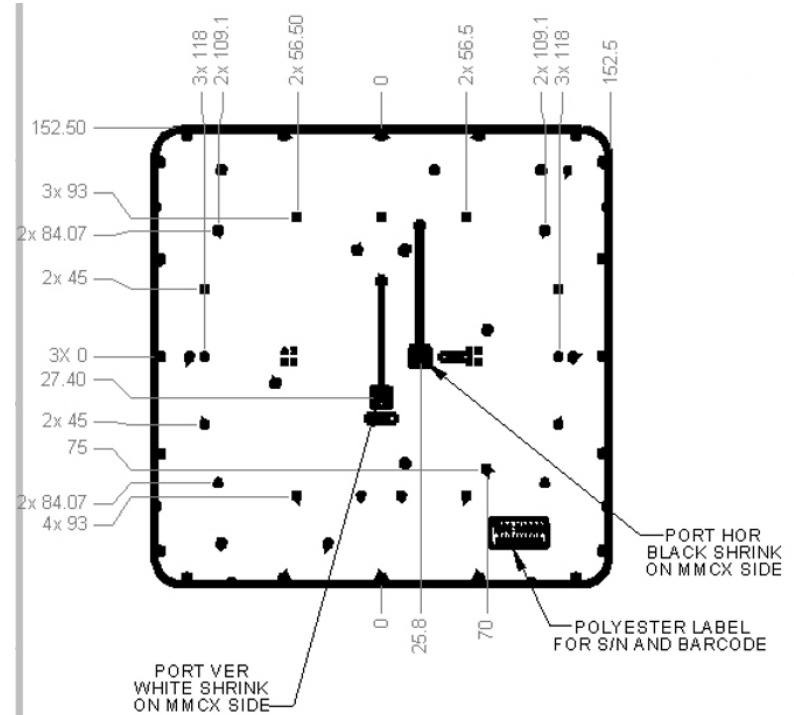
Tim Chao
2023/12/15

Agenda

- Antenna Placement
- Gain table
- 2D Radiation Pattern
- Summary

Antenna Placement

- OR650 have one 23dBi antenna as figure :
- 5GHz * 1



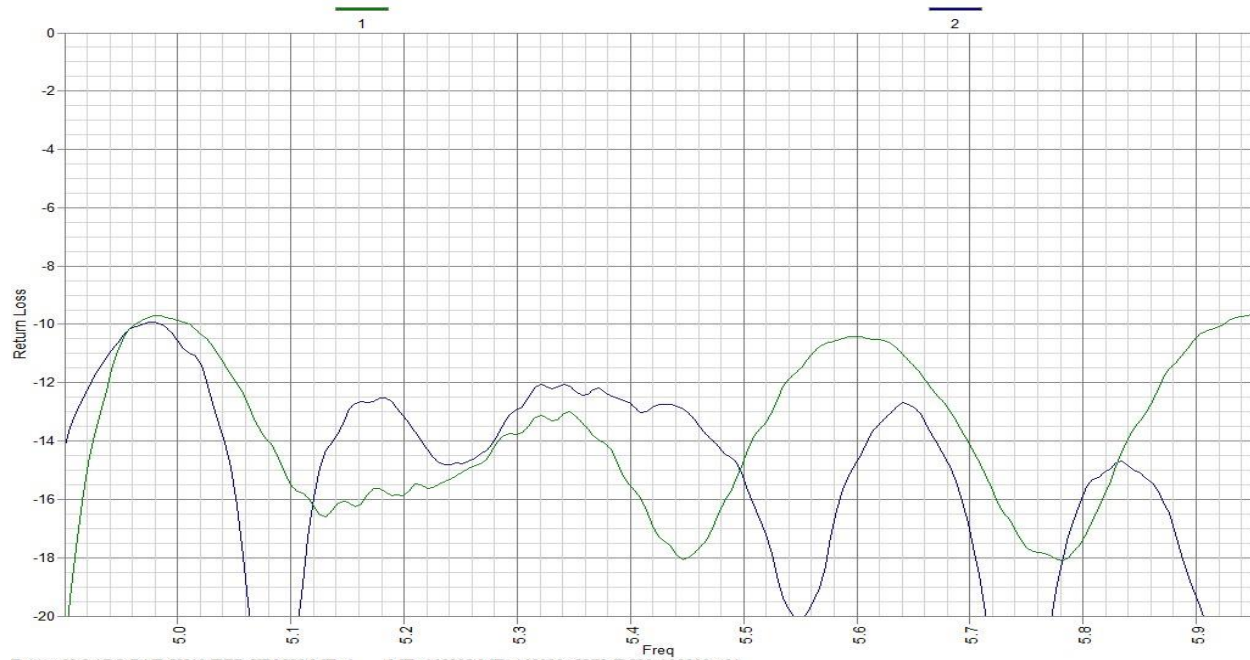
Antenna Information

Manufacture : MTI WIRELESS EDGE LTD.

Add. : 11 Hamelacha St. Afek Industrial Park, Rosh-Ha'Ayin, Israel 4809121

Brand	Size(mm)	Material	Part Number	Type
MTI	305*305*15	Plastic Polycarbonate / Aluminum	MT-465039/CVH/F	Array
MTI	305*305*15	Plastic Polycarbonate / Aluminum	MT-465039/NVH	Array

Return Loss :



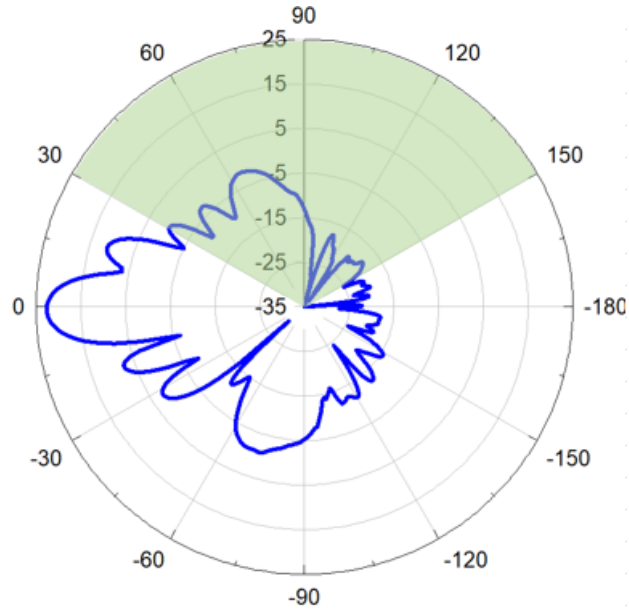
Folder: U:\LABO\PAT CHAMBER-HP8530\MT_4.....\MT_465039\MT_465039_CVH_F\SN_100000#01
Technician: XD

Written By: Amir Frenkel Software Industries

Gain table

Peak Gain	Port_V	Port_H
5.15GHz~5.25GHz	22.63	22.95
5.25GHz~5.35GHz	22.13	22.51
5.47GHz~5.725GHz	22.94	22.86
5.725GHz~5.825GHz	22.62	22.67

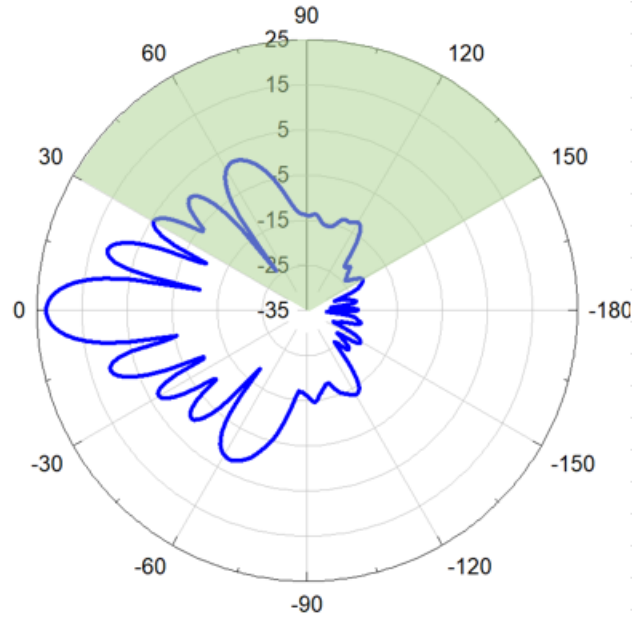
2D pattern : Port_V



90 degree : Sky

-90 degree : Ground

2D pattern : Port_H



90 degree : Sky

-90 degree : Ground

The logo for 'emplus' is centered in the image. It features the word 'emplus' in a lowercase, sans-serif font. The 'e' and 'm' are a light blue color, while the 'p' and 'l' are a darker blue, and the 'u' and 's' are a medium blue. The background is a large, abstract graphic of two overlapping circles filled with a low-poly, geometric pattern of various shades of blue. The overall aesthetic is clean and modern.

Dependable, Accountable, and always Available

We are your best partner!